PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

| Sheet | 1 | of | 5 |
|-------|---|----|---|
|-------|---|----|---|

| Complete if Known | | | | | | |
|------------------------|------------|--|--|--|--|--|
| Application Number | 09/327,408 | | | | | |
| Filing Date | 06/07/99 | | | | | |
| First Named Inventor | P. Cox | | | | | |
| Group Art Unit | 2744 2642 | | | | | |
| Examiner Name | TBA | | | | | |
| Attorney Docket Number | 41698-1019 | | | | | |

| | | | | U.S. PATENT DOCI | JMENTS | |
|----------------------|--------------|---------------|---------------------------------|---|--|---|
| Examiner Initials | Cite No.1 | U.S. Patent D | Nocument Kind Code ² | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| SR | | 5,754,639 | | Flockhart et al. | 5/1998 | Figures Appear |
| -27 | | 5,740,238 | | Flockhart et al. | 4/1998 | |
| -80 | | 5,724,419 | | Harbuziuk et al. | 3/1998 | JUA |
| 37 | | 5,684,872 | | Flockhart et al. | 11/1997 | 70 |
| | | 5,638,430 | | Hogan et al. | 6/1997 | Technolog |
| W/ | | 5,633,919 | | Hogan et al. | 5/1997 | |
| 30 | | 5,592,542 | | Honda et al. | 1/1997 | |
| ₩. I | | 5,590,188 | | Crockett | 12/1996 | |
| XX | | 5,588,042 | | Comer | 12/1996 | |
| K | | 5,553,119 | | McAllister et al. | 9/1996 | |
| X (2) | | 5,524,147 | | Bean | 6/1996 | |
| MY / | | 5,515,285 | | Garrett, Sr. et al. | 5/1996 | |
| ~81) | | 5,450,476 | | D'Apuzzo et al. | 9/1995 | · |
| 2 0 0 | | 5,369,684 | | Buhl et al. | 11/1994 | |
| N | | 5,335,269 | | Steinlicht | 8/1994 | |
| 186 | | 5,329,578 | | Brennan et al. | 7/1994 | |
| 30 | | 5,299,260 | $\neg \neg$ | Shaio | 3/1994 | |
| - No. | | 5,222,120 | | McLeod et al. | 6/1993 | |
| 3 | | 5,206,903 | | Kohler et al. | 4/1993 | |

| | | | | FOR | EIGN PATENT DOCUMENT | rs | - | |
|-----------|------|---------------------|-------------------|----------------------------------|--|--|--|----------------|
| Examiner | | | Foreign Patent Do | cument Kind Code ⁵ | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant | |
| Initials | No.1 | Office ³ | - | (if known) | | MM-DD-YYYY | Figures Annear | T ⁶ |
| THE PARTY | - | J.R. | 2-17752 | | and the second s | 171990 | Trigores Aspect | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | <u></u> | | |
| | | Ш | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | \sqcup | | | | <u></u> | | Ш |
| | | 1 1 | | | | | | |

| Examiner Signature | Manhall (1) | Date Considered O2-20-03 |
|-----------------------|-------------|--------------------------|

*EXAMINER: Initial if reference considered whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

| Complete if Known | | | | | |
|------------------------|------------|--|--|--|--|
| Application Number | 09/327,408 | | | | |
| Filing Date | 06/07/99 | | | | |
| First Named Inventor | P. Cox | | | | |
| Group Art Unit | 2744 No42 | | | | |
| Examiner Name | TBA | | | | |
| Attorney Docket Number | 41698-1019 | | | | |

| | | | | U.S. PATENT DOCU | JMENTS | |
|-----------------------|--------------------------|-----------------------|---|---|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Number | Document Kind Code ² (if known) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| 400 | | 5,187,740 | | Swaim et al. | 2/1993 | |
| - 8 0 | | 5,181,237 | | Dowden et al. | 1/1993 | PECE JUNI |
| -JA | | 5,168,446 | | Wiseman | 12/1992 | · /CCA |
| 100 | | 5,163,083 | | Dowden et al. | 11/1992 | |
| 30 | | 5,148,472 | | Freese et al. | 9/1992 | |
| ~\$V? | | 5,109,401 | | Hattori et al. | 4/1992 | Technology Cent |
| 500 | | 5,095,503 | | Kowalski | 3/1992 | "FOIOON O |
| 3 | | 5,063,591 | | Jodoin | 11/1991 | 3 (47) |
| | | 5,056,134 | | Bauer et al. | 10/1991 | |
| | | 5,046,088 | | Margulies | 9/1991 | |
| | | 4,979,207 | | Baum et al. | 12/1990 | |
| 7XX | | 4,979,206 | | Padden et al. | 12/1990 | |
| AK | | 4,965,821 | | Bishop et al. | 10/1990 | |
| CUL | | 4,959,855 | | Daudelin | 9/1990 | |
| | | 4,958,368 | | Parker | 9/1990 | |
| | | 4,932,042 | | Baral et al. | 6/1990 | |
| | | 4,908,850 | | Masson et al. | 3/1990 | |
| AW. | | 4.908.825 | | Vea | 3/1990 | |
| -4W) I | | 4,777,646 | | Harris | 10/1988 | |

| | FOREIGN PATENT DOCUMENTS | | | | | | | | |
|----------------------|--------------------------|--|---------------------|--------------------------------------|-----------------------------|--|--|----------------|--|
| | | Foreign Patent Do | cument | Name of Patentee or | Date of Publication of | Pages, Columns, Lines, Where Relevant | | | |
| Examiner Initials | Cite No. ¹ | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | Applicant of Cited Document | Cited Document MM-DD-YYYY | Passages or Relevant Figures Appear | T ⁶ | |
| | | \vdash | | | | | | ╀- | |
| | | ├ ──┼─ | | | | - | | + | |
| | | | | | | | | ╁ | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | \vdash | | | | | | +- | |
| | | | | | | | | + | |
| | | | | | | | | +- | |

Date Examiner Signature Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁸ Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 5

| Co | omplete if Known | ` |
|------------------------|------------------|--------|
| Application Number | 09/327,408 | MEA |
| Filing Date | 06/07/99 | , CX |
| First Named Inventor | P. Cox | UNI |
| Group Art Unit | 2744 2642 | Par 12 |
| Examiner Name | TBA | Mac |
| Attorney Docket Number | 41698-1019 | 3/6 |

| | | | | U.S. PATENT DOCU | JMENTS | |
|-----------------------|--------------------------|-----------------------|---|---|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Number | Document Kind Code ² (if known) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | 4,757,529 | | Glapa et al. | 7/1988 | |
| ~ % \ | | 4,694,483 | | Cheung | 9/1987 | |
| ~ | | 4,677,609 | | Piereth et al. | 6/1987 | |
| 5 | | 4,640,986 | - | Yotsutani et al. | 2/1987 | |
| | | 4,608,460 | | Carter et al. | 8/1986 | |
| | | 4,112,257 | | Frost | 9/1978 | |
| | | 837,894 | | Aven | 12/1906 | |
| | | 1,589,444 | | Thurston et al. | 6/1926 | |
| 2002 | | 1,714,303 | | Friendly | 5/1929 | |
| | | 4,190,493 | | Chambers et al. | 2/1980 | |
| | | 4.696.028 | | Morganstein et al. | 9/1987 | |
| | | 5,099,508 | | Inaba | 3/1992 | |
| 430 | | 5,334,974 | | Simms et al. | 8/1994 | |
| UNV. | | 5,339,352 | | Armstrong et al. | 8/1994 | |
| 200 | | 5,414,754 | | Pugh et al. | 5/1995 | |
| LYNOS | | 5,432,840 | | Ryden | 7/1995 | |
| | | 5,479,482 | | Grimes | 12/1995 | |
| | | 5.511.111 | | Serbertcioglu et al. | 4/1996 | |
| | | | | | | |

| | FOREIGN PATENT DOCUMENTS | | | | | | | | | | |
|-------------------------------|--------------------------|--|---|-----------------------------|------------------------------|--|----------------|---|--|--|--|
| Examiner Cite 'Initials' No.1 | F | oreign Patent Do | | Name of Patentee or | Date of Publication of | Pages, Columns, Lines, Where Relevant | | | | | |
| | Office ³ | Number ⁴ | Kind Code ⁵ (<i>if known</i>) | Applicant of Cited Document | Cited Document MM-DD-YYYY | Passages or Relevant Figures Appear | T ⁶ | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | ļļ | | | | <u> </u> | | | | | |
| | | | | | ··· | | | _ | | | |
| | | . | | | | | <u>,</u> | _ | | | |
| | | | | | | | | _ | | | |
| | - | | | | | - | | + | | | |
| | | | | -++ | | | | ╀ | | | |

Examiner Signature Date Considered Q1-20-20-

*EXAMINER: Initial it reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of

| Complete if Known | | | | | |
|------------------------|------------|--|--|--|--|
| Application Number | 09/327,408 | | | | |
| Filing Date | 06/07/99 | | | | |
| First Named Inventor | P. Cox | | | | |
| Group Art Unit | 2744 2642 | | | | |
| Examiner Name | TBA | | | | |
| Attorney Docket Number | 41698-1019 | | | | |

| | | | | U.S. PATENT DOCU | JMENTS | |
|----------------------|--------------|-----------------------|---|---------------------------------------|--|--|
| Examiner Initials | Cite No.1 | U.S. Patent Number | Document Kind Code ² (if known) | Name of Patentee or Applicant | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| SAC | | 5,563,931 | | Bishop et al. | 10/1996 | |
| <i>30</i> | | 5,590,197 | | Greenspan | 12/1996 | Dr |
| THE | | 5,646,987 | | Gerber et al. | 7/1997 | JECE! |
| | | | + | | + | PECE/ JUN 1 3 |
| | | | | | | Technology Cen |
| | | | | , | | - VAUQY Cen |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | <u> </u> | |
| | | ** | | | | |
| | | | | · · · · · · · · · · · · · · · · · · · | | |

| | FOREIGN PATENT DOCUMENTS | | | | | | | | |
|-----------|--------------------------|-------------------------|---------------------|---|-----------------------------|------------------------------|--|----------|--|
| Examiner | Cite | Foreign Patent Document | | | Name of Patentee or | Date of Publication of | Pages, Columns, Lines, | | |
| Initials* | No.1 | Office ³ | Number ⁴ | Kind Code ⁵ (<i>if known</i>) | Applicant of Cited Document | Cited Document MM-DD-YYYY | Where Relevant Passages or Relevant Figures Appear | Τe | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | Ī | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | L | |
| | | | | | | | | | |
| | | | · | | | | | <u> </u> | |
| | | | | | | | | | |
| | | 1 1 | | - 1 | | 1 \ | | | |

| Examiner Date Date | | | |
|-----------------------------------|-----------|---------------|-------------------------|
| 0: | Examiner | 01104 | Date |
| Signature Considered () - 10 - 20 | Signature | William Chall | Considered (1) - 20 - 0 |

*EXAMINER: Initial if reference considered, whener or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTC/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Complete if Known

09/327,408

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Number

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 Filing Date
 06/07/99

 First Named Inventor
 P. Cox

 Group Art Unit
 2744

 Examiner Name
 TBA

(use as many sheets as necessary)

 Sheet
 5
 Attorney Docket Number
 41698-1019

| Examiner Initials* | Cite No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T2 |
|---------------------------------------|--------------|---|----|
| | 1_ | Guiard, Le Moign, Marchand, "The Electronic Directory Within the Company", Commutation & | - |
| | | & Transmission #2 - 1983, pp. 53-66. | E |
| · b | -2 | "Directory Assistance System," British Telecommunications Engineering, Vol. 5, Jan. 1987, pp. 294-295. | 7 |
| | | pp. 294-295. Bell Atlantic, "White Pages Northern Virginia", p. 37, Jan. 1995. IBM Technical Disclosure, "Method and Apparatus for Automatic Contextual Call Return. | |
| · · · · · · · · · · · · · · · · · · · | -3- | Bell Atlantic, "White Pages Northern Virginia", p. 37, Jan. 1995. | 46 |
| 一种 | 4_ | IBM Technical Disclosure, "Method and Apparatus for Automatic Contextual Call Return, Calendaring, and Address Book Search", Vol. 37, No. 04A, April 1994. | 2 |
| 2 / | -5 | _IBM_Technical_Disclosure; "Mechanism-to-Automate_Updating_Obsolete_Telephone_Numbers", Vol. 37, No. 04A, April 1994. | - |
| Al-1/2 | ±6∞- | America Online, "Global Positioning Satellite (GPS) Technology and the Cellular Phone Network", April 1995. | |
| | 7-2 | America Online, "GPS at the Fingertips of Car Owners", April 1995. | |
| | 8 | America Online, "Gombines the Cellular Network with Global Positioning", April 1995. | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

considered. Include copy of this form with next communication to applicant.



¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.